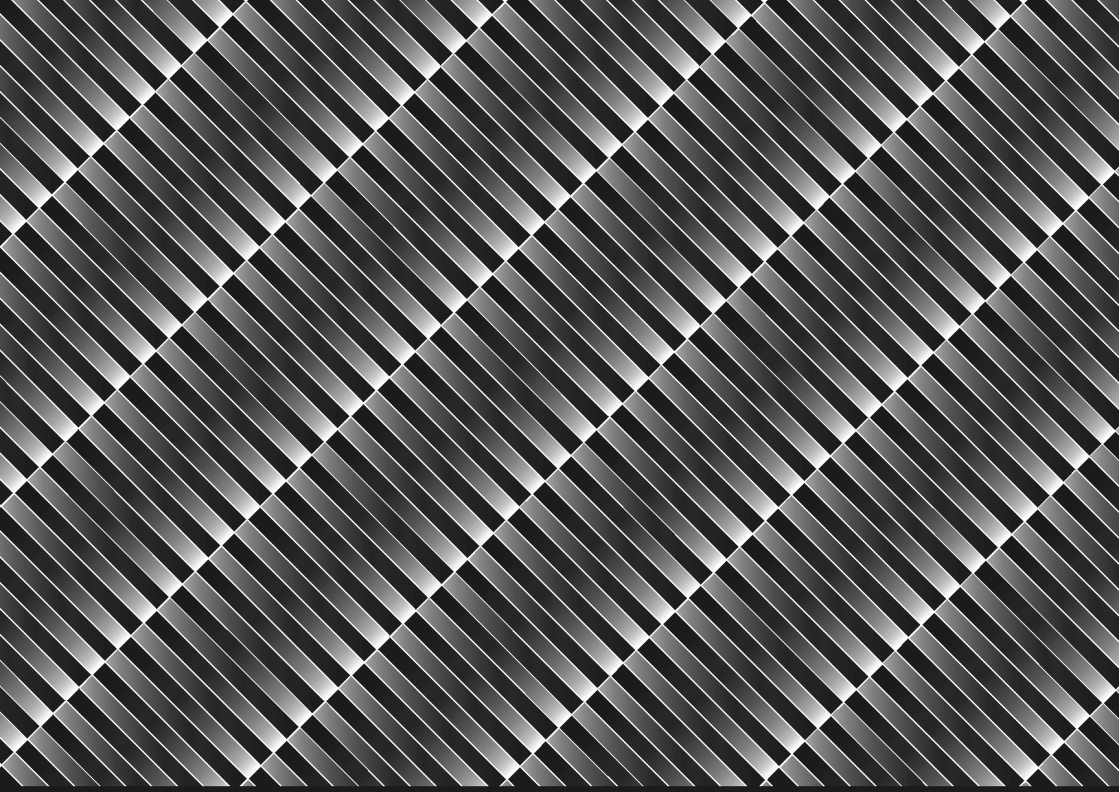


A Different Class Of Display

P-Series LCD Display

User Manual

www.agneovo.com

Downloaded from ManualMonitor.com Manuals

Table of Contents

Precautions 2
Warning on installation 2
Warning on power connection 2
Adjusting Your LCD display Viewing Angle 2
Wall Mount 3
First, fold the base 3
Second, lock the decoration cover 3
Third, mount the LCD display on the wall 3
Warning on Maintenance 4
Warning on transportation 4
Package Contents 5
Control Buttons 6
Installation 7
Adjusting Your LCD Display 8
Selecting OSD Features 8
D-SUB Input 8
DVI Input 18
CVBS Input 26
S-Video Input 34
Warning Messages and Troubleshooting 42
Warning Messages 42
Troubleshooting Guide 43
Technical Specifications 44
Specifications 44
P-19 44
P-17 44
Regulation 45
FCC compliance 45
WEEE 46
Hg 46

Downloaded from ManualMonitor.com Manuals

Warning on installation

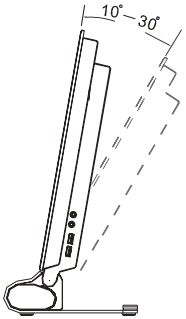
- Do not cover or block the ventilation holes in the case.
- Do not install the monitor near heat sources such as radiators or air ducts, or in a place subject to direct sunlight, excessive dust, mechanical vibration or shock.

Warning on power connection

- Use an appropriate power cord for your local power supply.
- The outlet should be installed near the monitor and be easily accessible.
- Do not allow anything to rest on the power cord.
- Disconnect the power plug from the power outlet under following conditions:
  - If you will not use it for an indefinite period time.
  - When the power cord or plug is damaged of frayed.
  - If the product has been dropped or the cabinet has been damaged.
  - If the product exhibits a distinct change in performance, indicate a need for service.

Adjusting Your LCD display Viewing Angle

- You can adjust your LCD display between 10°~30° by holding the top of the panel with both hands and pushing back and forth to adjust the viewing angle to the desired angle.
- The maximum tilt angle of the monitor is 30°; the monitor can not be pushed down any further when the tilt angle is at the 30° position.



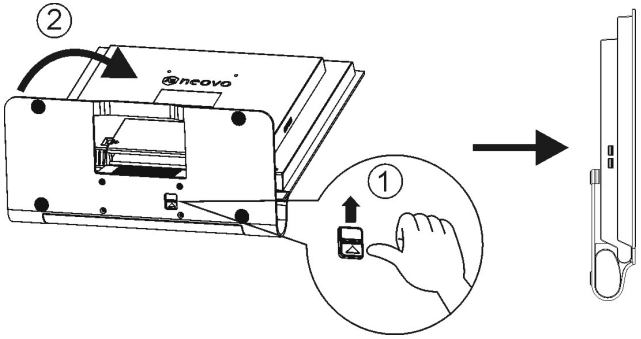
Downloaded from ManualMonitor.com Manuals

Wall Mount

If you want to mount your LCD display on the wall, please follow the below instructions.

First, fold the base

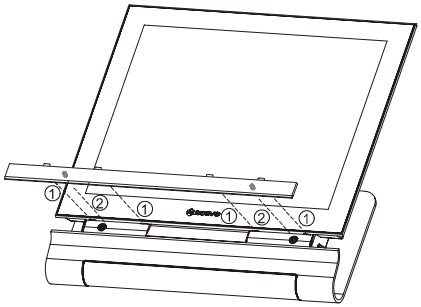
If you want to hang this LCD monitor on the wall, please push the blue key on the bottom of base to the direction as ▲ symbol indicated and fold to 90 degrees as shown in the illustration below.



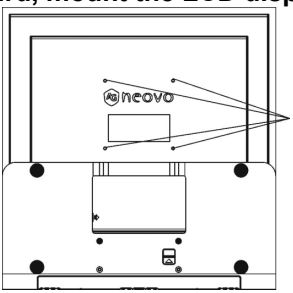
Second, lock the decoration cover

(1) By facing the tab upwards, plug the decoration cover into the rectangle holes on the bottom of front bezel.

(2) Press the decoration cover to perfectly into the gap of the front bezel.



Third, mount the LCD display on the wall



The wall mount access holes are compliant to VESA standard. An M4 screw of length less than 10mm is recommended.
The four wall mount access holes allow screws of M4 * 0.7 type to fit in. The length of which should not exceed 9.4mm.

Downloaded from ManualMonitor.com Manuals

Warning on Maintenance

- Clean the cabinet, glass, and controls with a soft cloth lightly moistened with a mild detergent solution. Do not use any type of abrasive pad, scouring powder or solvent, such as alcohol or benzene.
- Do not rub, touch, or tap the surface of the screen with sharp or abrasive items such as a pen or screwdriver. This type of contact may result in a scratched glass.
- Do not insert sharp objects or spill liquid into the monitor through ventilation holes. They may cause accident fire, electric shock or failure.
- Do not attempt to service this product yourself, as opening or removing covers may expose you to dangerous voltage potentials or other risks.

Warning on transportation

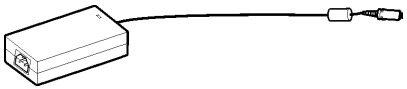
- When you transport this monitor for repair or shipment, use the original carton and packing materials.

Downloaded from ManualMonitor.com Manuals

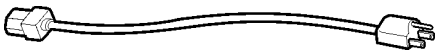
Package Contents

Before using this monitor, check the following items are included in your carton box:

- Monitor (*1)
- Power adapter (*1)
  (For use only with the power supply Li-shin *LSE0452B1280* or Linearity LAD10PFKB6)



- Power cord (*1)

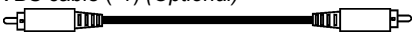


- D-sub 15-pin signal cable (*1)

- Digital DVI signal cable (*1)

- S- Video cable (*1,) *(Optional)*

- CVBS cable (*1) *(Optional)*



- USB cable (*1)

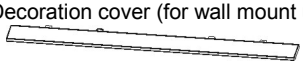
- Microphone cable (*1)

- Audio cable (*1)

- CD-ROM (containing Windows information file and user's manual)

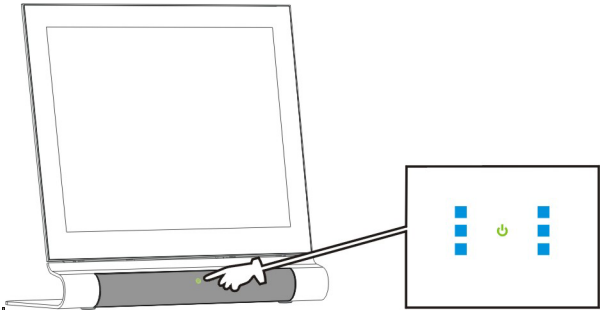
- Quick Guide

- Decoration cover (for wall mount use only)



Downloaded from ManualMonitor.com Manuals

Control Buttons

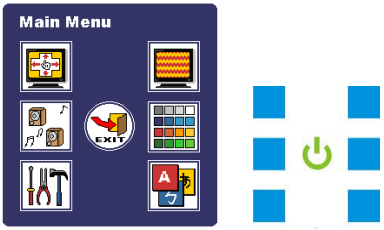


Front View

Key Controls located on the bottom center of the base

ON/OFF
Push once to turn your LCD display ON (green color). Push again for 3 seconds to turn it OFF (amber color).

Menu
Push once to turn on the OSD menu. The six blue keys surrounding will light on. The blue buttons and green button refers to the corresponding function on the OSD menu.



Function
Function keys, which can be one of the following:

- Hot key.
- Main menu item.
- Function loop e.g. Input select on D-SUB, DVI, CVBS, S-Video.
- ON/OFF loop e.g. Subwoofer can be turned on or off.
- allows adjustment in terms of respective measurement.
- , , allows you to go to next menu, return to previous menu, and exit the OSD menu respectively.

Downloaded from ManualMonitor.com Manuals

Installation

- Remove all the packages from the panel.
- Place your LCD display in a suitable place. Make sure that there is enough space for adjustment, especially the rear of the panel.

Connecting LCD Display to PC (Analog)—

1. Turn off your PC and connect the D-sub 15-pin VGA cable included in the package to the VGA port on your PC.
2. Connect the adaptor to the Adaptor IN socket at the back of your LCD display.
3. Connect one end of the power cord to a power source and another end to the adaptor.
4. Turn on your PC.
5. Turn on your LCD display. If the power LED is green and there is no display on the screen, please refer to the Warning Messages and Troubleshooting Guide in the User Manual.
6. Change the display resolution to 1280X1024 pixels at 60Hz from your PC. Push the menu button and then the Auto Adjustment button. The panel will automatically tune to the optimal performance.

Connecting LCD Display to a Digital Source (Digital, DVI)—

1. Turn off the PC and connect one end of the DVI-D digital cable included in the package to the DVI port at the back of the panel and another end to digital out on your VGA card.
2. Repeat steps 2-6 of the previous section.

Connecting LCD Display to Video Source (CVBS or S-Video)—

1. Turn off the equipment (e.g. TV, camera) and connect one end of the CVBS or S-Video cable included in the package to the CVBS or S-Video port at the back of the panel and another end to video out of the particular equipment.
2. Repeat steps 2-6 of the previous section.

Downloaded from ManualMonitor.com Manuals

Adjusting Your LCD Display

In the OSD menu, you will find all kinds of features to help you adjust your LCD display to the optimal performance.

Important! **Though manual adjustment of the LCD display is available, we strongly recommend that you use the panel's auto adjustment function. This will automatically tune your LCD display to the optimal performance. Simply push the Auto Adjustment hot key to enable the auto adjustment function. Additionally, we recommend that you use the auto adjustment function every time after you have changed the resolution or frequency of your display.**

Selecting OSD Features

Push the menu button to call out the OSD window. Then the blue keys will be turned on. Each of these keys corresponds to the respective function appear on the OSD menu of each page.

OSD menu: divided into seven areas that match exactly the position of the control key.

"Information" bar, which appears in every page, provides necessary operating instructions.

D-SUB Input

(I) Page 1: Hot key

Once the function key is being pressed, the frame color will become red.
Once the user press the "Menu" button, the first page will show all the hot keys that are mostly used. When pressing , the menu goes to the next page, which is the Main menu.

Auto Adjustment

Volume –

Mute

Input Select

Volume +

Luminance

Information Bar

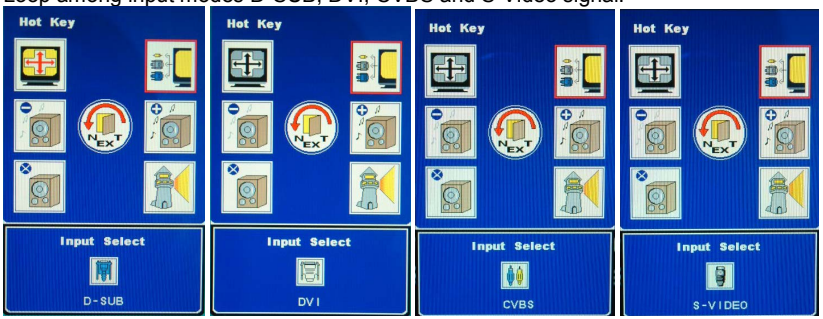
Downloaded from ManualMonitor.com Manuals

Auto Adjustment

Automatically adjust to the best user viewing condition.
But timing resolution fewer than 800x600 can only be manually adjusted.

Input Select

Loop among input modes D-SUB, DVI, CVBS and S-Video signal.



Volume – and Volume +

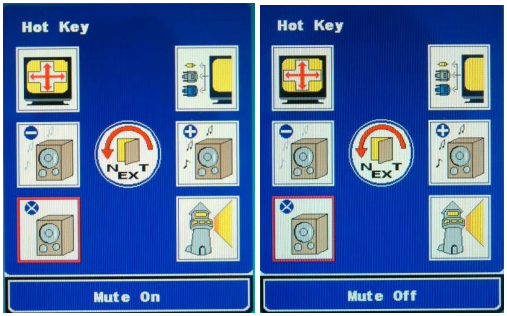
Adjust speaker volume

Reduce the volume Increase the volume

Downloaded from ManualMonitor.com Manuals

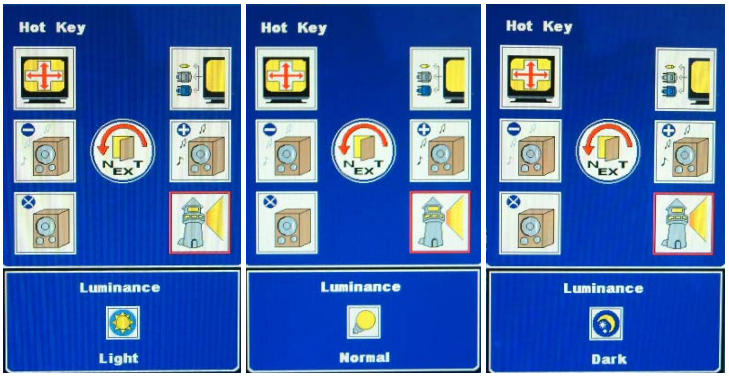
Mute

Loop on/off function to mute speaker and earphone volume.



Luminance

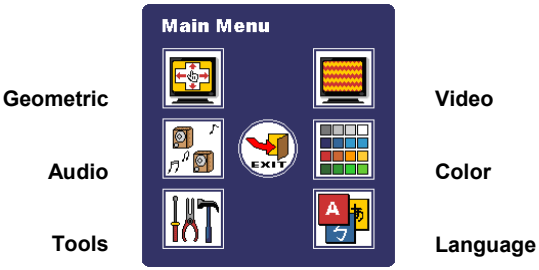
Loop among luminance levels Light, Normal and Dark. If sRGB function is on, user cannot adjust Luminance .



Downloaded from ManualMonitor.com Manuals

(II) Page 2: Main Menu

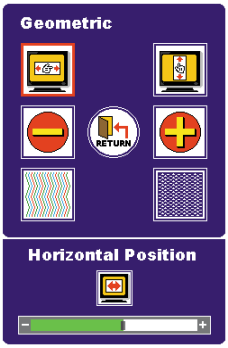
The main menu categorizes the functions of the monitor into six groups. Each of the area will go to its corresponding sub-menu.



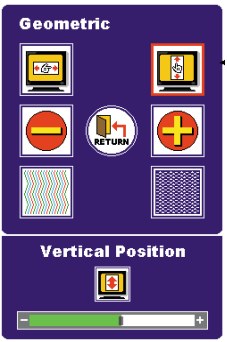
Geometric

allows adjustment in terms of respective measurement

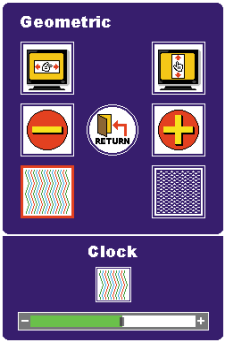
(1) Horizontal Position



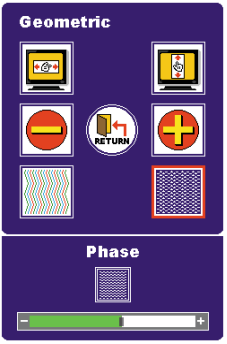
(2) Vertical Position



(3) Clock



(4) Phase



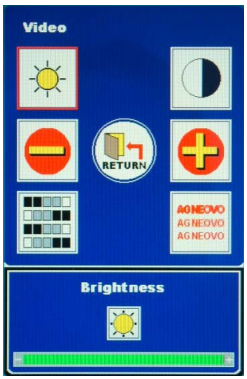
Downloaded from ManualMonitor.com Manuals

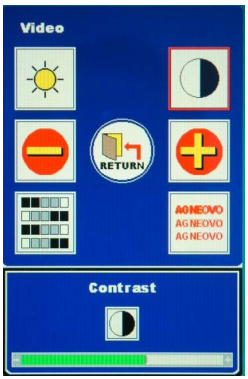
Video

allows adjustment in terms of respective measurement.

(1) Brightness **(2) Contrast**

If sRGB function is on, user cannot adjust Brightness and Contrast .



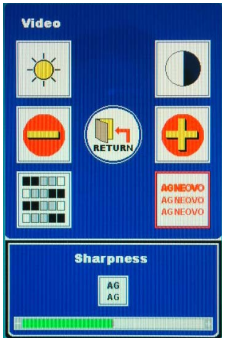


(3) Hue / Saturation

Hue / Saturation does not work with D-SUB input signal.

(4) Sharpness

If the timing resolution of the PC is 1280 x 1024, sharpness will not perform.

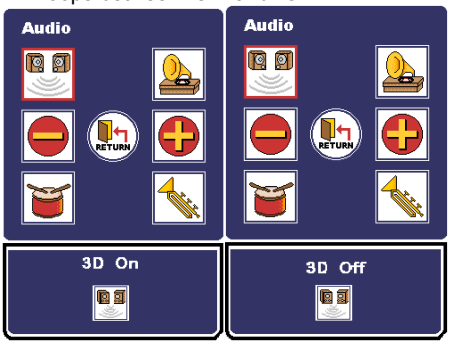


Downloaded from ManualMonitor.com Manuals

Audio

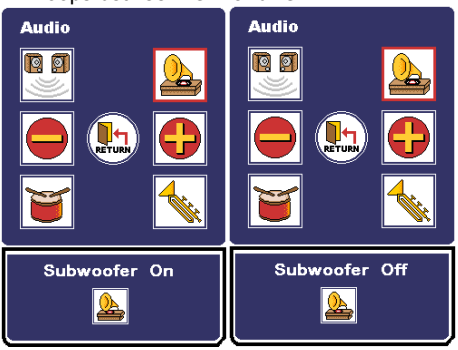
(1) 3D

Loops between “On” and “Off”.



(2) Subwoofer

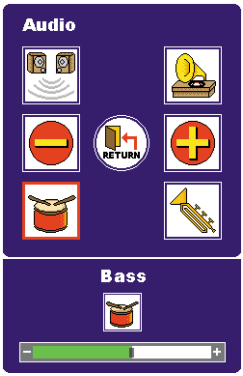
Loops between “On” and “Off”.

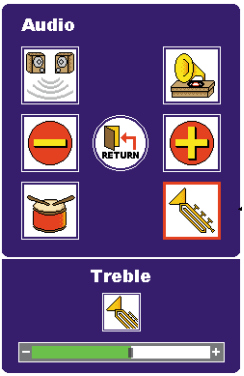


(3) Bass

(4) Treble

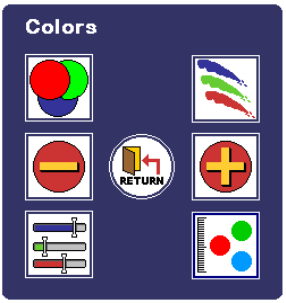
allows adjustment in terms of respective measurement.





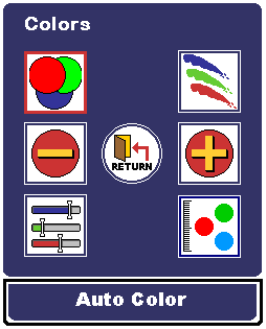
Downloaded from ManualMonitor.com Manuals

Colors



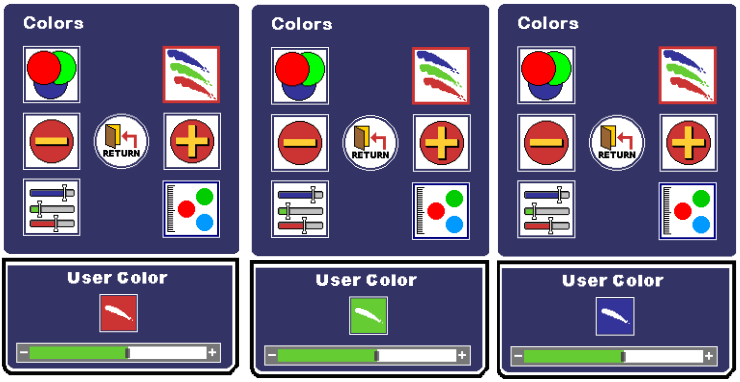
(1) Auto Color

Automatically adjust to user's optimal color.



(2) User Color

Loops among Red, Green and Blue color. allows adjustment in terms of respective measurement.



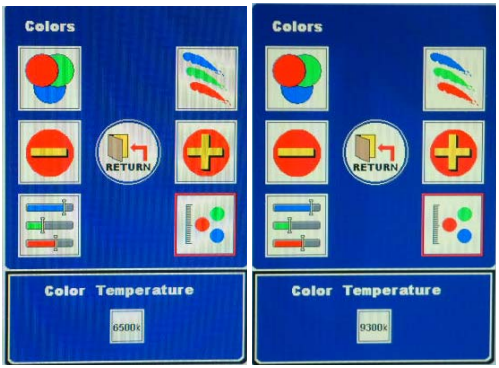
Downloaded from ManualMonitor.com Manuals

(3) sRGB

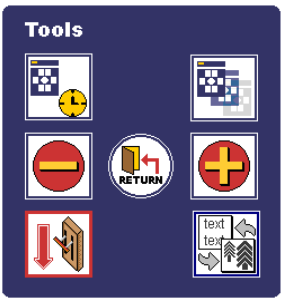
Loops between “On” and “Off”. If sRGB function is on, user cannot adjust Luminance , Brightness and Contrast .

(4) Color Temperature

Loops between temperature 6500k and 9300k.



Tools



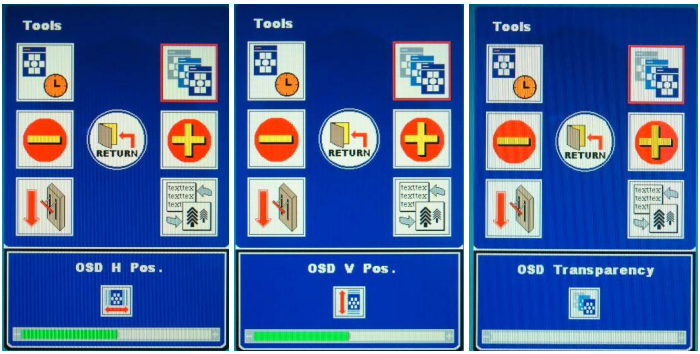
Downloaded from ManualMonitor.com Manuals

(1) OSD Timer

allows adjustment in terms of respective measurement.

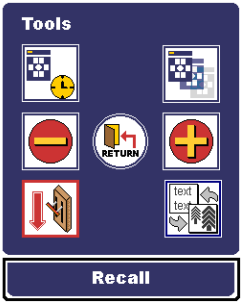
(2) OSD H Position / OSD V Position / OSD Transparency

Loops among OSD H Pos., OSD V Pos. and OSD Transparency. allows adjustment in terms of respective measurement.



(3) Recall

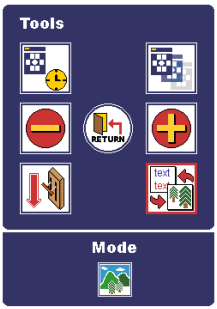
Recall to manufacturing default value.

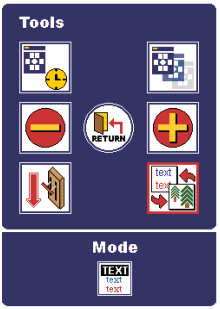


Downloaded from ManualMonitor.com Manuals

(4) Mode

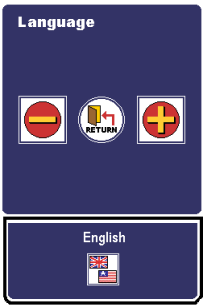
Loop between Graphic and Text mode. Only works in DOS mode (does not work with other operation system such as Windows).





Language

allows language selection by scrolling.



OSD language option has two versions:

(1) Europe & USA: English, German, French, Spanish, Italian, Holland, Russian, Czech, Polish, Romanian.

(2) Rest of the world: English, German, French, Spanish, Traditional Chinese, Simplified Chinese, Japan.

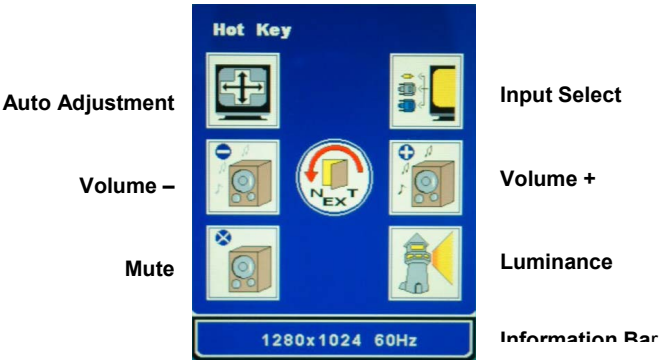
English	German	French	Spanish	Italian	Dutch	Russia
Czech	Polish	Romania	Traditional Chinese	Simplified Chinese	Japanese	

Downloaded from ManualMonitor.com Manuals

DVI Input

(I) Page 1: Hot key

Once the function key is being pressed, the frame color will become red. Once the user press the “Menu” button, the first page will show all the hot keys that are mostly used. When pressing , the menu goes to the next page, which is the Main menu.



Auto Adjustment

Auto Adjustment does not work with DVI input signal.

Input Select

Loop among input modes DVI, CVBS S-Video and D-SUB signal.

Downloaded from ManualMonitor.com Manuals

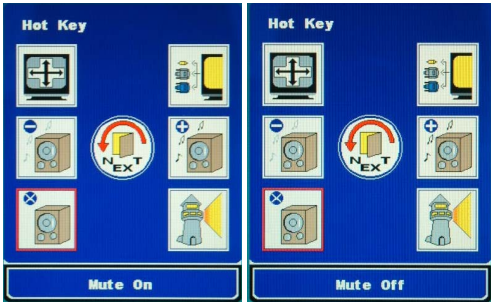
Volume – and Volume +

Adjust speaker volume

Reduce the volume Increase the volume

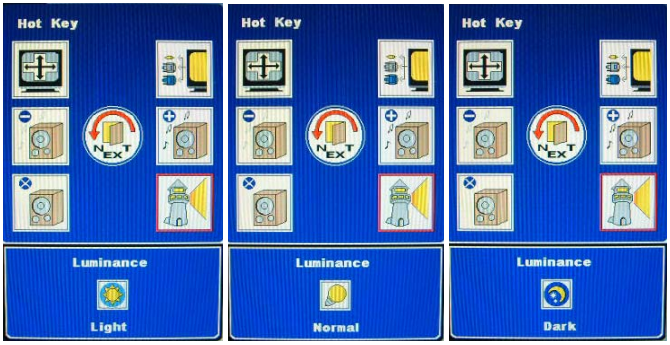
Mute

Loop on/off function to mute speaker and earphone volume.



Luminance

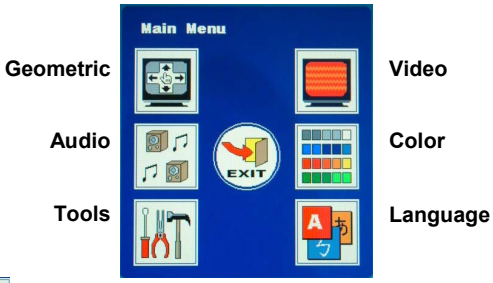
Loop among luminance levels Light, Normal and Dark. If sRGB function is on, user cannot adjust Luminance



Downloaded from ManualMonitor.com Manuals

(II) Page 2: Main Menu

The main menu categorizes the functions of the monitor into six groups. Each of the area will go to its corresponding sub-menu.

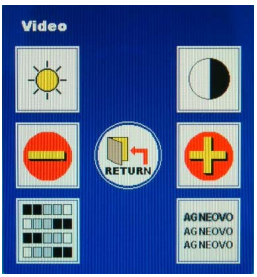


Geometric

Geometric does not work with DVI input singal.

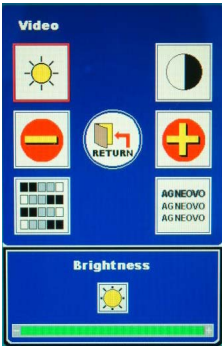
Video

If sRGB function is on, user cannot adjust Video functions.

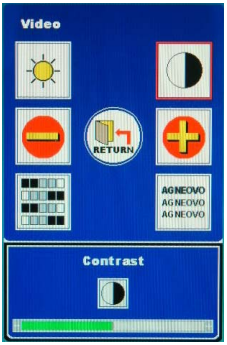


allows adjustment in terms of respective measurement.

(1) Brightness



(2) Contrast



Downloaded from ManualMonitor.com Manuals

(3) Hue / Saturation

Hue / Saturation does not work with DVI input signal.

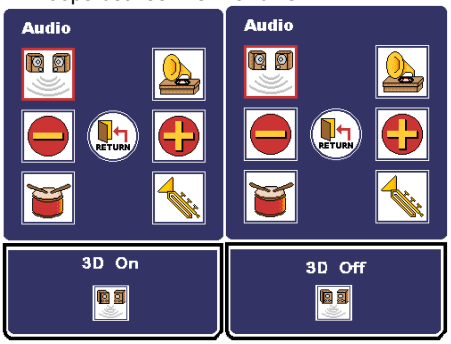
(4) Sharpness

Sharpness does not work with DVI input signal.

Audio

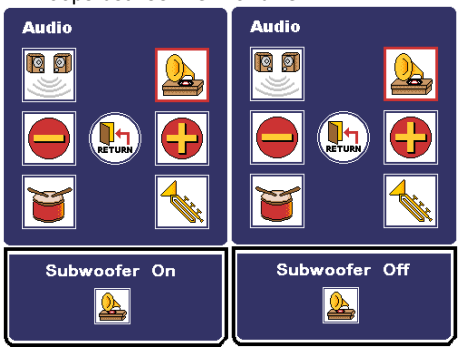
(1) 3D

Loops between “On” and “Off”.



(2) Subwoofer

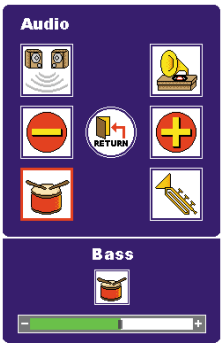
Loops between “On” and “Off”.

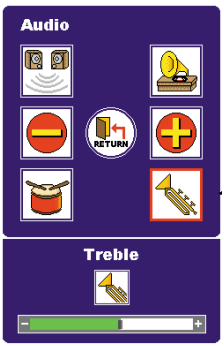


(3) Bass

(4) Treble

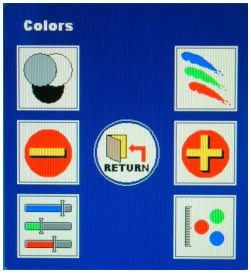
allows adjustment in terms of respective measurement.





Downloaded from ManualMonitor.com Manuals

Colors

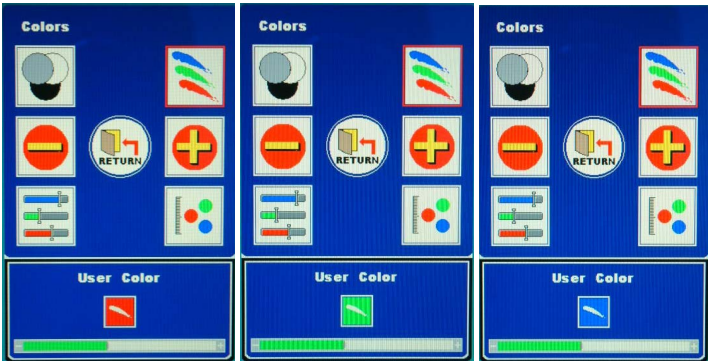


(1) Auto Color

Auto color does not work with DVI input signal.

(2) User Color

Loops among Red, Green and Blue color. allows adjustment in terms of respective measurement.



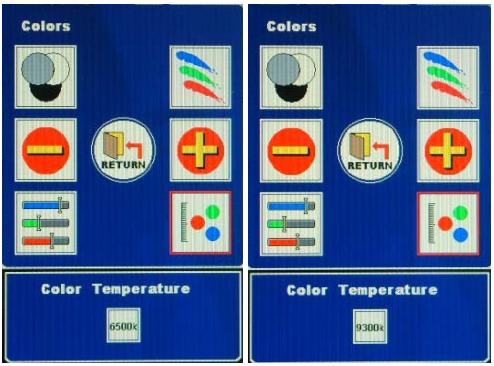
(3) sRGB

Loops between “On” and “Off”. If sRGB function is on, user cannot adjust Video and Luminance

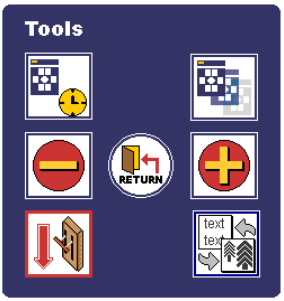
Downloaded from ManualMonitor.com Manuals

(4) Color Temperature

Loops between temperature 6500k and 9300k.



Tools



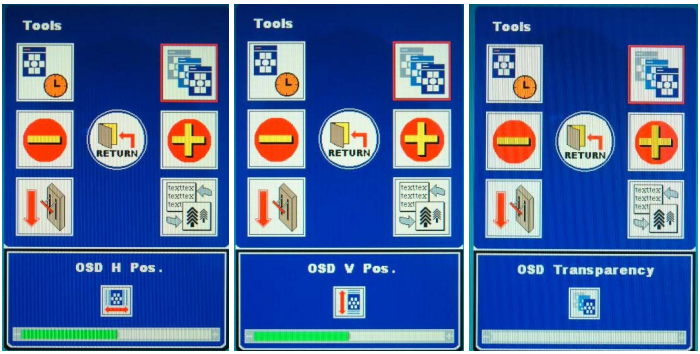
(1) OSD Timer

allows adjustment in terms of respective measurement.

Downloaded from ManualMonitor.com Manuals

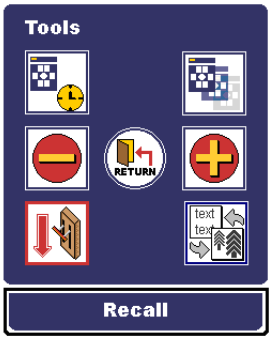
(2) OSD H Position/ OSD V Position / OSD Transparency

Loops among OSD H Pos., OSD V Pos. and OSD Transparency. allows adjustment in terms of respective measurement.



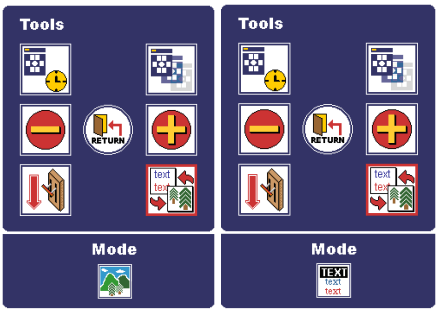
(3) Recall

Recall to manufacturing default value.



(4) Mode

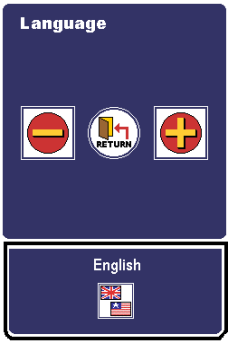
Loop between Graphic and Text mode. Only works in DOS mode (does not work with other operation system such as Windows).



Downloaded from ManualMonitor.com Manuals

Language

allows language selection by scrolling.



OSD language option has two versions:

(1) Europe & USA: English, German, French, Spanish, Italian, Holland, Russian, Czech, Polish, Romanian.

(2) Rest of the world: English, German, French, Spanish, Traditional Chinese, Simplified Chinese, Japan.

English	German	French	Spanish	Italian	Dutch	Russia
Czech	Polish	Romania	Traditional Chinese	Simplified Chinese	Japanese	

Downloaded from ManualMonitor.com Manuals

CVBS Input

(I) Page 1: Hot key

Once the function key is being pressed, the frame color will become red. Once the user press the “Menu” button, the first page will show all the hot keys that are mostly used. When pressing , the menu goes to the next page, which is the Main menu.

Auto Adjustment

Volume –

Mute

Input Select

Volume +

Luminance

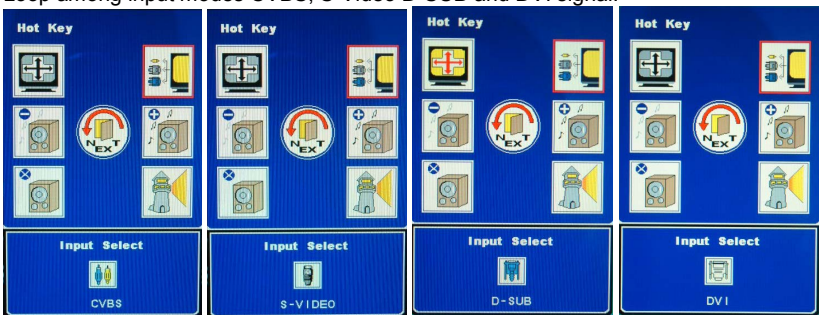
Information Bar

Auto Adjustment

Auto Adjustment does not work with CVBS input signal.

Input Select

Loop among input modes CVBS, S-Video D-SUB and DVI signal.



Downloaded from ManualMonitor.com Manuals

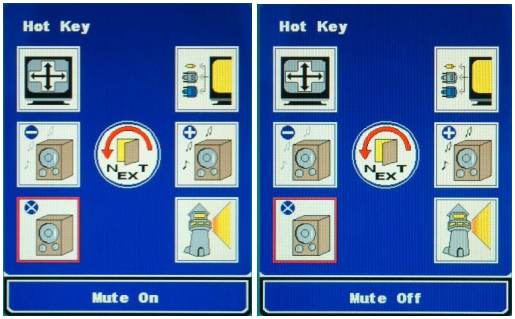
Volume – and Volume +

Adjust speaker volume

Reduce the volume Increase the volume

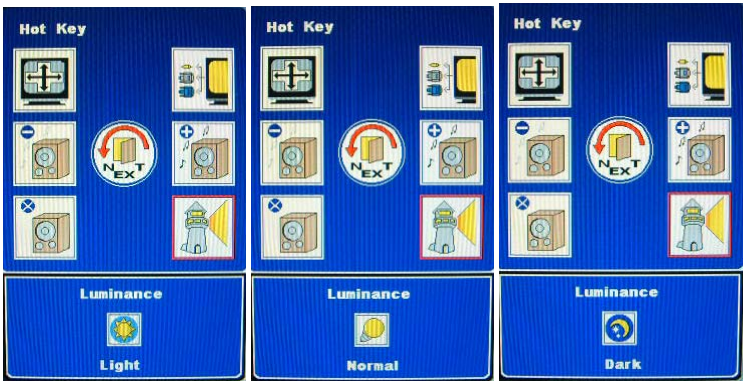
Mute

Loop on/off function to mute speaker and earphone volume.



Luminance

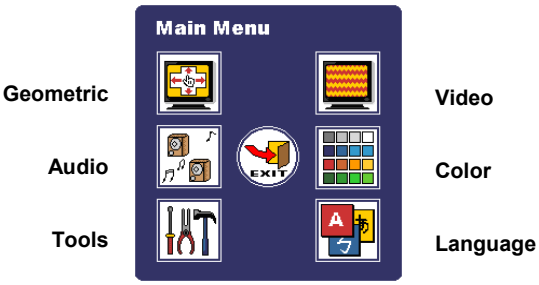
Loop among luminance levels Light, Normal and Dark.



Downloaded from ManualMonitor.com Manuals

(II) Page 2: Main Menu

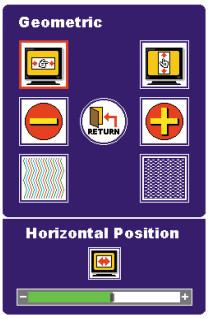
The main menu categorizes the functions of the monitor into six groups. Each of the area will go to its corresponding sub-menu.



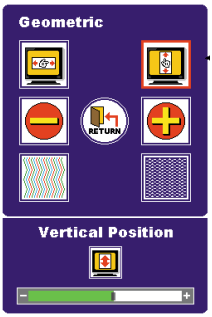
Geometric

allows adjustment in terms of respective measurement.

(1) Horizontal Position



(2) Vertical Position



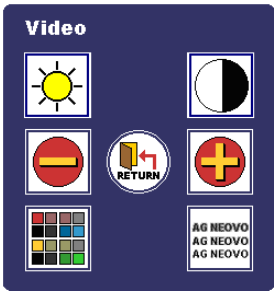
(3) Clock

Clock does not work with CVBS input signal.

(4) Phase

Phase does not work with CVBS input signal.

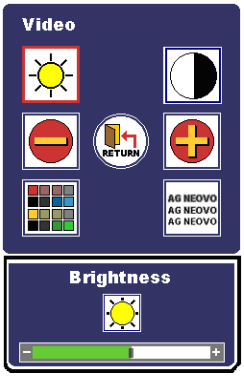
Video



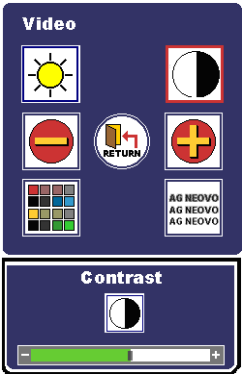
allows adjustment in terms of respective measurement.

Downloaded from ManualMonitor.com Manuals

(1) Brightness

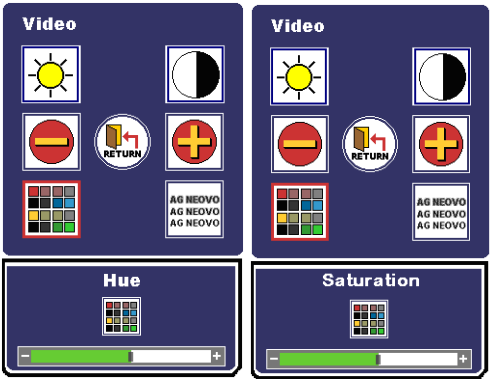


(2) Contrast

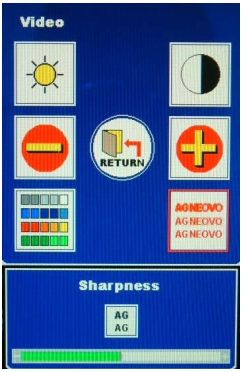


(3) Hue / Saturation

Loop between “Hue” and “Saturation” mode.



(4) Sharpness

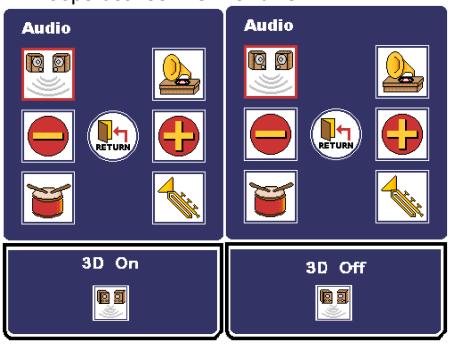


Downloaded from ManualMonitor.com Manuals

Audio

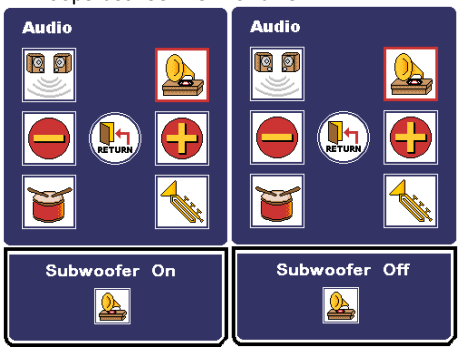
(1) 3D

Loops between “On” and “Off”.



(2) Subwoofer

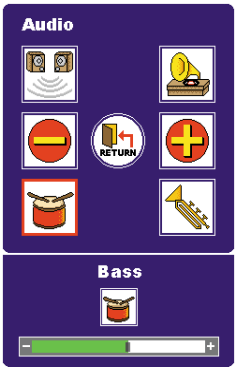
Loops between “On” and “Off”.

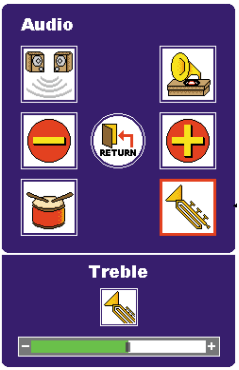


(3) Bass

(4) Treble

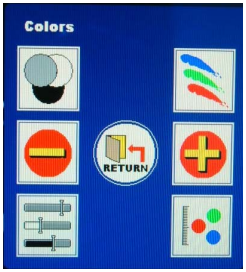
allows adjustment in terms of respective measurement.





Downloaded from ManualMonitor.com Manuals

Colors

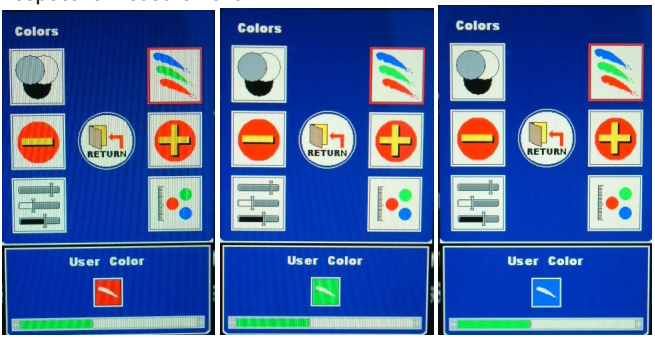


(1) Auto Color

Auto Color does not work with CVBS input signal.

(2) User Color

Loops among Red, Green and Blue color. allows adjustment in terms of respective measurement.

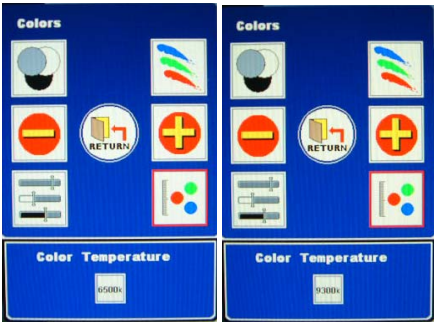


(3) sRGB

sRGB does not work with CVBS input signal.

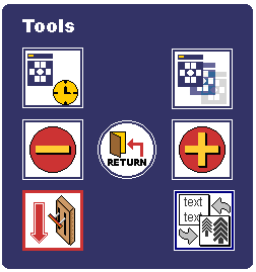
(4) Color Temperature

Loops between temperature 6500k and 9300k.



Downloaded from ManualMonitor.com Manuals

Tools



(1) OSD Timer

allows adjustment in terms of respective measurement.

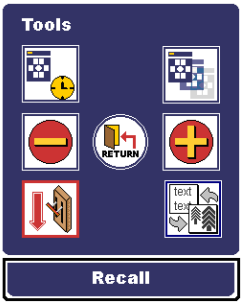
(2) OSD H Position/ OSD V Position / OSD Transparency

Loops among OSD H Pos., OSD V Pos. and OSD Transparency. allows adjustment in terms of respective measurement.

Downloaded from ManualMonitor.com Manuals

(3) Recall

Recall to manufacturing default value.

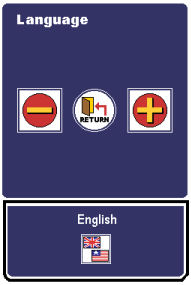


(4) Mode

Mode does not work with CVBS input signal.

Language

allows language selection by scrolling.



OSD language option has two versions:

(1) Europe & USA: English, German, French, Spanish, Italian, Holland, Russian, Czech, Polish, Romanian.

(2) Rest of the world: English, German, French, Spanish, Traditional Chinese, Simplified Chinese, Japan.

English	German	French	Spanish	Italian	Dutch	Russia
Czech	Polish	Romania	Traditional Chinese	Simplified Chinese	Japanese	

Downloaded from ManualMonitor.com Manuals

S-Video Input

(I) Page 1: Hot key

Once the function key is being pressed, the frame color will become red.
Once the user press the “Menu” button, the first page will show all the hot keys that are mostly used. When pressing , the menu goes to the next page, which is the Main menu.

Auto Adjustment

Volume –

Mute

Input Select

Volume +

Luminance

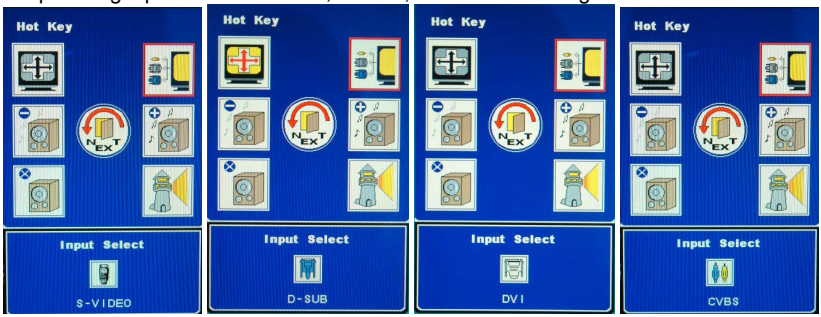
Information Bar

Auto Adjustment

Auto Adjustment does not work with S-Video input signal.

Input Select

Loop among input modes S-Video, D-SUB, DVI and CVBS signal.



Downloaded from ManualMonitor.com Manuals

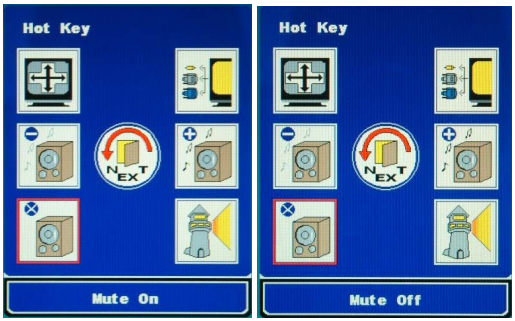
Volume – and Volume +

Adjust speaker volume

Reduce the volume Increase the volume

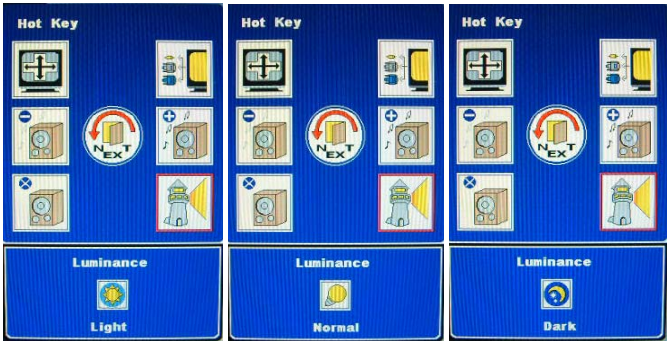
Mute

Loop on/off function to mute speaker and earphone volume.



Luminance

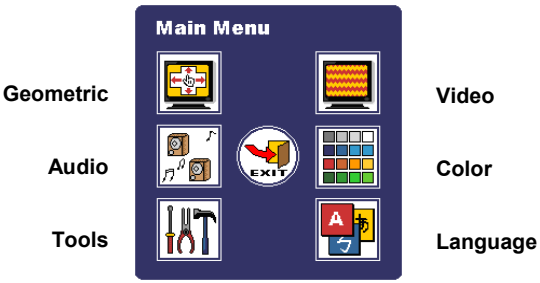
Loop among luminance levels Light, Normal and Dark.



Downloaded from ManualMonitor.com Manuals

(II) Page 2: Main Menu

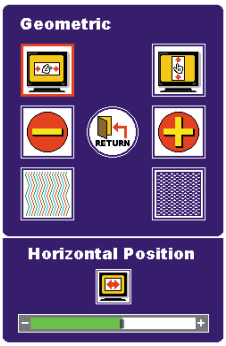
The main menu categorizes the functions of the monitor into six groups. Each of the area will go to its corresponding sub-menu.



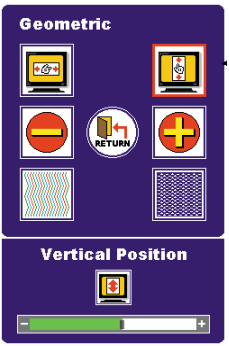
Geometric

allows adjustment in terms of respective measurement.

(1) Horizontal Position



(2) Vertical Position



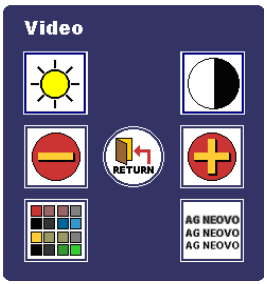
(3) Clock

Clock does not work with S-Video input signal.

(4) Phase

Phase does not work with S-Video input signal.

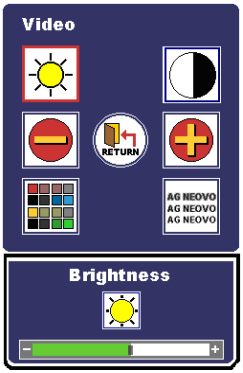
Video



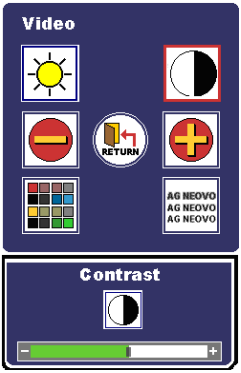
allows adjustment in terms of respective measurement.

Downloaded from ManualMonitor.com Manuals

(1) Brightness

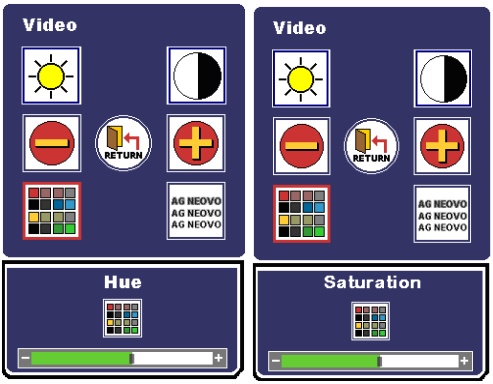


(2) Contrast

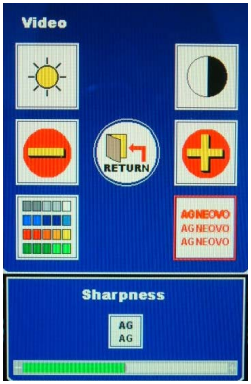


(3) Hue / Saturation

Loop between “Hue” and “Saturation” mode



(4) Sharpness

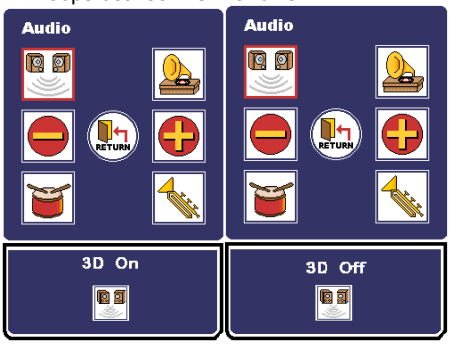


Downloaded from ManualMonitor.com Manuals

Audio

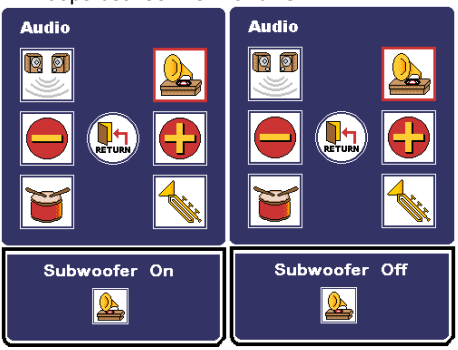
(1) 3D

Loops between “On” and “Off”.



(2) Subwoofer

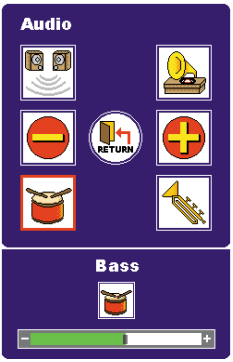
Loops between “On” and “Off”.

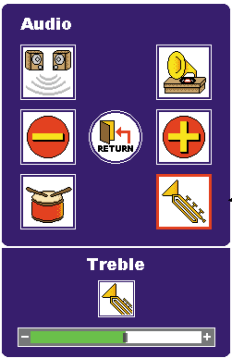


(3) Bass

(4) Treble

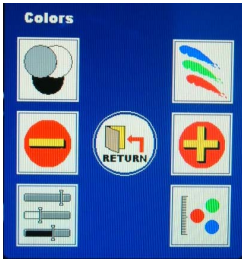
allows adjustment in terms of respective measurement.





Downloaded from ManualMonitor.com Manuals

Colors

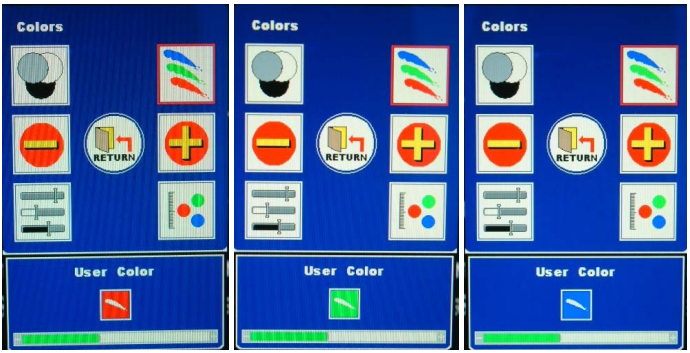


(1) Auto Color

Auto color does not work with S-Video input signal.

(2) User Color

Loops among Red, Green and Blue color. allows adjustment in terms of respective measurement.

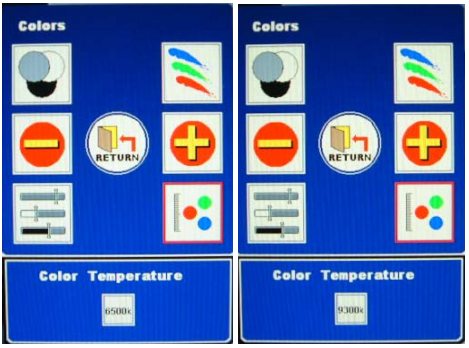


(3) sRGB

sRGB does not work with S-Video input signal.

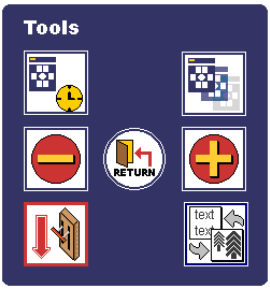
(4) Color Temperature

Loops between temperature 6500k and 9300k.



Downloaded from ManualMonitor.com Manuals

Tools

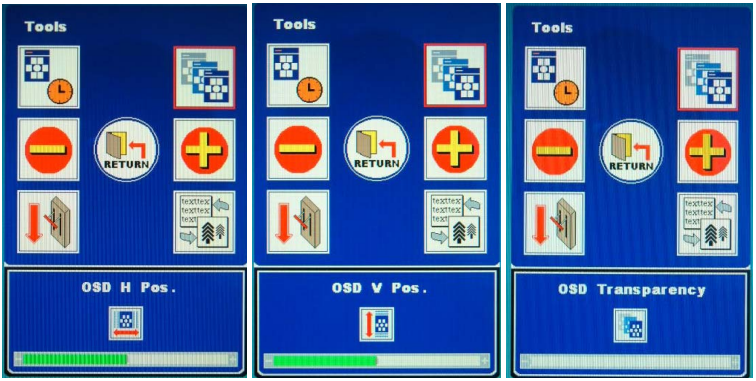


(1) OSD Timer

allows adjustment in terms of respective measurement.

(2) OSD H Position/ OSD V Position / OSD Transparency

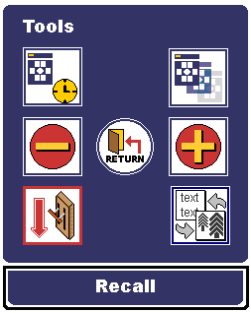
Loops among OSD H Pos., OSD V Pos. and OSD Transparency . allows adjustment in terms of respective measurement.



Downloaded from ManualMonitor.com Manuals

(3) Recall

Recall to manufacturing default value.



(4) Mode

Mode does not work with S-Video input signal.

Language

allows language selection by scrolling.

OSD language option has two versions:

(1) Europe & USA: English, German, French, Spanish, Italian, Holland, Russian, Czech, Polish, Romanian.

(2) Rest of the world: English, German, French, Spanish, Traditional Chinese, Simplified Chinese, Japan.

English	German	French	Spanish	Italian	Dutch	Russia
Czech	Polish	Romania	Traditional Chinese	Simplified Chinese	Japanese	

Downloaded from ManualMonitor.com Manuals

Warning Messages

When a warning message appears on the screen, check the following items to locate the problem affecting your LCD display.	
NO SIGNAL INPUT	When no input signal is detected from any input ports. • Check if your PC or video source is ON. • Check if the signal cable is correctly connected. • Check if any pin inside the connector is twisted or broken.
NO SIGNAL FROM ANALOG INPUT	No signal is detected from ANALOG port. • Check if your PC is ON. • Check if the D-Sub 15-pin cable is correctly connected to the ANALOG port at the back of your LCD display. • Check if the D-Sub 15-pin cable is correctly connected to your PC. • Check if any pin inside the D-Sub 15-pin cable connector is twisted or broken.
NO SIGNAL FROM DIGITAL INPUT	No signal is detected from DIGITAL port. • Check if your PC is ON. • Check if the DVI cable is correctly connected to the DIGITAL port at the back of your LCD display. • Check if the DVI cable is correctly connected to your PC. • Check if any pin inside the DVI cable is twisted or broken.

Downloaded from ManualMonitor.com Manuals

Troubleshooting Guide

Symptoms	Check
• No display • Power LED is off	• Check if the power of your LCD display is ON. • Check if the adaptor is correctly connected to your LCD display. • Check if the power cord is correctly connected to the adaptor. • Check if the power cord is correctly connected to a power source. • Check if the power source works normally. Use another device to check for power supply.
• No display • Power LED is amber	• Check if your PC is in standby mode (move the mouse or push any key to wake up your PC). • Check if your PC or video source is ON. • Check if the signal cable is correctly connected.
• Blurred text display	• Check if the resolution is set at 1280x1024. • Push auto adjustment hot key. (See Adjusting Your LCD display section of this manual for details.) • Adjust Clock and Phase in the OSD Display Adjust menu. (See Adjusting Your LCD display section of this manual for details.) • Adjust Sharpness from the OSD menu if the resolution is not at 1280x1024. (See Adjusting Your LCD display section of this manual for details.)
• No center screen • Missing lines	• Push auto adjustment hot key. (See Adjusting Your LCD display section of this manual for details.) • Adjust H-Position and V-Position. (See Adjusting Your LCD display section of this manual for details.)
• Red, green, blue or black spots on the screen	• There are millions of micro transistors on a TFT LCD display. Each damaged transistor will lose a red, green or blue spot. We accept a very small quantity of damaged transistors during the manufacturing process. The globally accepted tolerance is 3 spots.

Downloaded from ManualMonitor.com Manuals

Specifications

P-19

Electrical characteristics	
Screen size	19.0” (48.2 cm) diagonal
Pixel format	1280 x 1024 vertical stripe
Horizontal frequency	31.5kHz – 80kHz
Vertical frequency	50Hz – 75Hz
Maximum pixel clock	140MHz
Connections	Power: 3-Pin AC Plug
Power Consumption	<70W (On) < 2W (Sleep), < 1W (Off)
Physical characteristics	
Weight	Net: 7.7Kg (17 lb)
Tilt angle	10º ~ 30º

P-17

Electrical characteristics	
Screen size	17.0” (43.1 cm) diagonal
Pixel format	1280 x 1024 vertical stripe
Horizontal frequency	31.5kHz – 80kHz
Vertical frequency	50Hz – 75Hz
Maximum pixel clock	140MHz
Connections	Power: 3-Pin AC Plug
Power Consumption	< 70W (On), < 2W (Sleep) < 1W (Off)
Physical characteristics	
Weight	Net: 6.8Kg (15 lb)
Tilt angle	10º ~ 30º

***The above specifications are subject to change without notice.**

Downloaded from ManualMonitor.com Manuals

FCC compliance

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.
-

WARNING: Any unauthorized modification to this equipment could result in the revocation of the authorization to operate the equipment and void the product warranty.

Downloaded from ManualMonitor.com Manuals

WEEE

Information for users applicable in European Union countries

The symbol on the product or its packaging signifies that this product has to be disposed separately from ordinary household wastes at its end of life. Please kindly be aware that this is your responsibility to dispose electronic equipment at recycling centers so as to help conserve natural resources. Each country in the European Union should have its collection centers for electrical and electronic equipment recycling. For information about your recycling drop off area, please contact your local related electrical and electronic equipment waste management authority or the retailer where you bought the product.

Hg

Lamp Disposal

LAMP(S) inside this product contain mercury and must be recycled or disposed of according to local, state or federal laws. For more information, contact the electronic industries alliance at **www.eiae.org** for lamp specific disposal information check **www.lamprecycle.org**.

Vermont Hg directive

Title 10: Conservation and Development
Chapter 164: COMPREHENSIVE MERCURY MANAGEMENT
§ 7106. Labeling of mercury-added products

Contains Mercury, Dispose of Properly

Downloaded from ManualMonitor.com Manuals